

BORDER REV. DATE: June 1, 2004

DRILL HOLES

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MD 212 IS CONSIDERED TO RUN IN A NORTH/SOUTH DIRECTION.



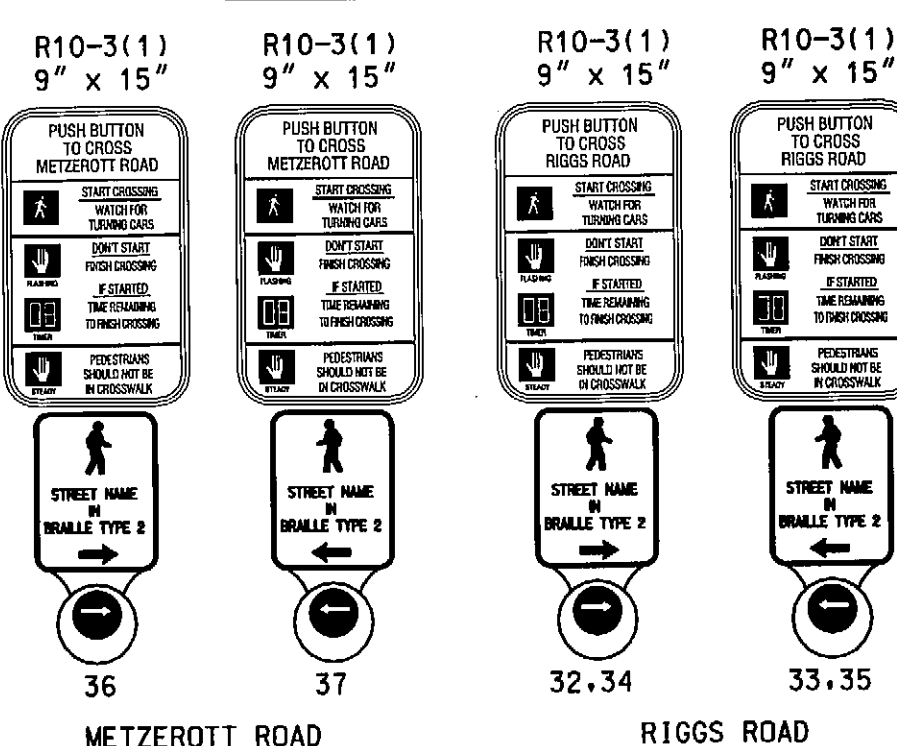
Metzerott Rd

D-3(1) (DUAL-FACED) VARIABLE X 16"

Riggs Rd

D-3(1) (DUAL-FACED) VARIABLE X 16"

### PROPOSED SIGNS

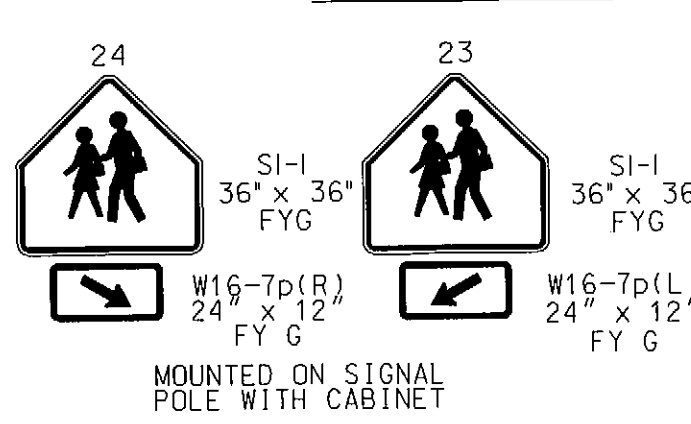


EXISTING SIGN TO BE REMOVED

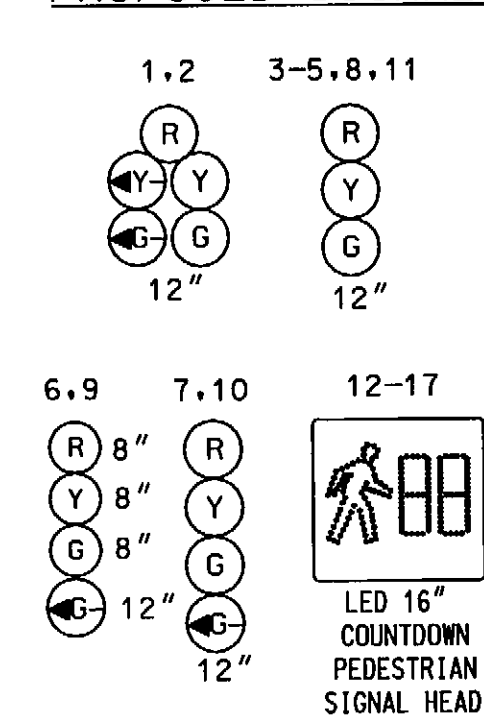


R10-12 36" x 42"

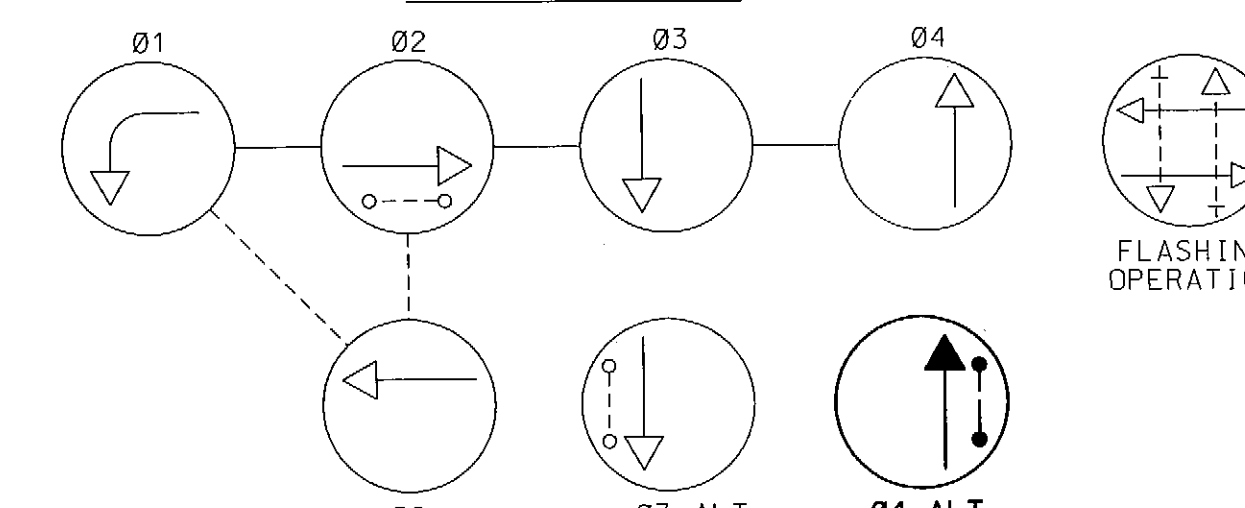
### EXISTING SIGNS



### PROPOSED SIGNALS



### NEMA PHASING



PHASING NOTES:  
1. PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY.  
2. PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.

### GENERAL NOTES:

- All underground utilities shown on these plans are schematic only and may not be complete. The contractor shall be responsible for notifying "MISS UTILITY" prior to construction so that all utilities may be located in the field. If the contractor perceives that a conflict between the utilities and the traffic signal will occur, the contractor shall notify the project engineer immediately so that the conflict may be resolved.
- All Traffic Signal Foundations shall be installed at the Final Sidewalk or Curb grade for closed sections. Highest Roadway Profile Grade for open sections, to meet clearances as specified in MD 816.03, MD 818.01, MD 818.02, and MD 818.04. The contractor shall verify ultimate grades prior to the installation of all signal equipment.
- All pavement markings detailed are proposed and are to be installed in accordance with SHA standards. All crosswalks shall be centered on handicap ramps or median cut throughs.
- Poles are to be located so that they can be activated by a person in a wheelchair from a 60" x 60" level landing area. A level landing area is an area with a cross slope of less than or equal to 2%.
- If the location of Accessible Pedestrian Signal Pushbuttons must be changed the contractor shall notify the Project Engineer to get approval for new location to ensure proper requirements of the MUTCD are still met. All work must be halted until the Project Engineer has obtained an approved location or if necessary a design waiver is obtained.
- Pushbutton is to be located so that a pedestrian in a wheelchair located on the level landing area, does not have to reach more than 18".
- The 10' separation between pushbuttons is to be measured from face of pushbutton, not center to center of pole.
- Pushbutton arrows are to be parallel to the crossing for which they are intended.
- The contractor shall remove all unused wiring.

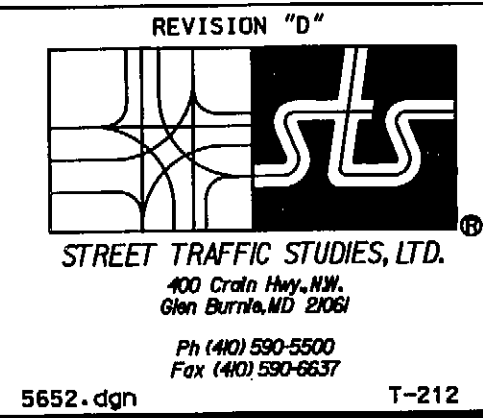
### CONSTRUCTION DETAILS

- Remove existing traffic signal heads and install proposed LED traffic signal heads as shown. (Note: Contractor shall use existing signal head wiring.)
- Remove existing pedestrian signal head from mast arm pole.
- Install 10' breakaway pedestal pole with countdown pedestrian signal head and APS pushbutton with pedestrian education sign (R10-3(1)). (Note: 1-3" 90° polyvinyl chloride (Schedule 80) bend.)
- Install 4" polyvinyl chloride electrical conduit (Schedule 80) (slotted).
- Install 3" polyvinyl chloride electrical conduit (Schedule 80) (trenched).
- Install 12" white heat applied preformed thermoplastic pavement marking (Crosswalk).
- Install 24" white heat applied preformed thermoplastic pavement marking (Stopline).
- Install proposed parallel handicap ramp (STD. No. MD 655.12) with detectable warning surface (STD. No. MD 655.40).
- Install proposed sidewalk combination handicap ramp (STD. No. MD 655.13) with detectable warning surface (STD. No. MD 655.40).
- Install proposed cut-through island opening (STD. No. MD 655.21) with detectable warning surface (STD. No. MD 655.40).
- Adjust existing handhole to grade and replace frame with cover.
- Use existing handhole.
- Use existing conduit.
- Use existing pole mounted cabinet and controller. (Note: SHA Forces shall retrofit cabinet.)
- Remove existing overhead sign.
- Remove existing pedestrian signal heads, existing pushbutton from mast arm pole and plug pushbutton hole.
- Remove existing crosswalk.
- Replace existing handicap ramp with sidewalk and curb and gutter.
- Install overhead sign as shown.
- Maintain existing overhead electrical service.
- Install handhole.
- Install micro-loop probe with 500' lead-in cables.
- Install 6' x 30' loop detector encased in 1/4" flexible tubing quadrupole type (3-6-3).
- Install 1" liquid tight flexible non-metallic electrical conduit (detector wire sleeve).
- Install 3" polyvinyl chloride electrical conduit (Schedule 80) (bored).
- Remove existing handhole.
- Abandon existing conduit.
- Abandon existing loop detector or micro-loop probe.
- The contractor shall avoid damaging existing sidewalk while installing proposed conduit.

### CONSTRUCTION DETAILS CONTINUED

- Install ground mounted sign as shown.
- Remove existing S1-1 and W16-7p signs from mast arm pole as shown.

GEOMETRIC LEGEND	
PROPOSED	---
EXISTING	---
LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES	
AERIAL CABLE	A
ELECTRIC	E
TELEPHONE	T
GAS	G
SEWER	S
WATER	W
CABLE TV	TV



APPROVALS	
TEAM LEADER	
ASST. DIV. CHIEF	
DIVISION CHIEF	
OFFICE DIRECTOR	

REVISIONS	
1. Install APS & CPS & LED	6/9/09
2. Signal Heads	6/9/09
3. JWA SDY	6/9/09
4. Asbuilt	6/9/09
5. RRZ	6/9/09
6. Asbuilt	6/9/09
7. FJH	6/9/09

<b>SHA</b> STATE OF MARYLAND DEPARTMENT OF TRANSPORTATION STATE HIGHWAY ADMINISTRATION	
MD 212 (RIGGS ROAD) AND METZEROTT ROAD	
ADELPHI, MARYLAND	
TRAFFIC SIGNAL PLAN	
SCALE 1"= 20'	DATE 4/3/85
CONTRACT NO.	
DESIGNED BY M. ROHLFS	COUNTY PRINCE GEORGE'S
DRAWN BY M. ROHLFS	LOGMILE 16021203.60
CHECKED BY F.A.P. NO.	TIMS NO. J230
TOD NO.	
TS NO. 683D	DRAWING NO. 1 OF 2
SHEET NO. OF	

PLOTTED: \$DATE\$  
FILE: \$FILE\$